

## Metallized Polypropylene Film Capacitor FMPP

### ● 特點

- 良好的自愈性
- 安全膜結構
- 小型化
- 符合 RoHs

### ● 結構

- 電介質：金屬化聚丙烯薄膜
- 捲繞：無感式
- 導線：鍍錫銅包鋼線
- 外層：環氧樹脂粉末包封 (UL94 V-0)

### ● 應用

- 直流多用途
- 廣泛用於 SMPS
- 用於 DC-filter.

### ● 電器特性

引用標準	IEC 60384-16
氣候類別 / 阻燃等級	40 / 105 / 21
額定溫度	105°C +85°C~105°C decreasing factor 1.0% / for $V_R$ (dc)
工作溫度範圍	-40°C ~+105°C
額定電壓 (DC-Type)	450V , 500V
容量範圍	0.01 $\mu$ F ~ 4.7 $\mu$ F
電容容差	J : $\pm 5\%$ · K : $\pm 10\%$ · M : $\pm 20\%$
耐 壓	施加 1.75 倍額定直流電壓測試 3 秒
損耗角正切	0.1% or less. At 1Khz, 20 $\pm$ 5°C
絕緣電阻	$\geq 30000M \Omega$ at DC 100V ( $C \leq 0.33 \mu F$ ) $\geq 10000M \Omega \times \mu F$ at DC 100V ( $C > 0.33 \mu F$ )

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● 產品編碼

FMPP	104	J	0450	D	100	S	R
PART-1	PART-2	PART-3	PART-4	PART-5	PART-6	PART-7	PART-8

PART-1 : 系列代號 FMPP

PART-2 : 額定電容值 (0.01  $\mu$ F~4.7  $\mu$ F / 103~475)

PART-3 : 電容容差 J :  $\pm$  5% · K :  $\pm$  10% · M :  $\pm$  20%

PART-4 : 額定電壓 0450=450V, 0500=500V

PART-5 : 電壓單位 D=VDC

PART-6 : 引腳腳距編號 100=10, 150=15  
225=22.5, 275=27.5

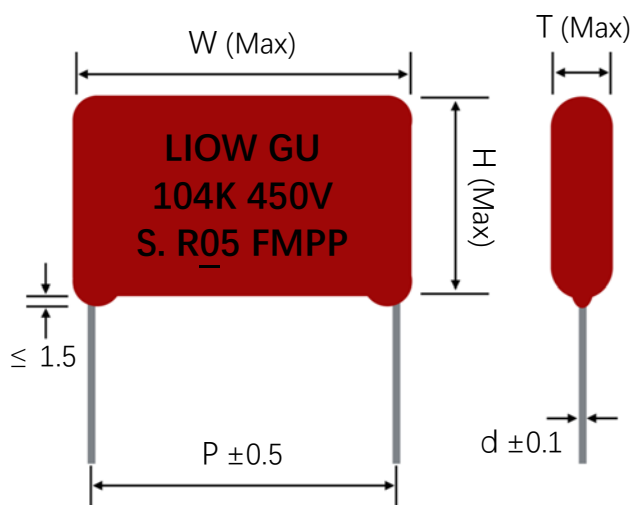
PART-7 : 引腳成型編號 

PART-8 : 內部特徵碼 R=環保代碼、H=無鹵代碼  
O=其他特殊要求、T= THB 雙 85 代碼

代碼	腳型
S	直腳
C	短腳
F	K 腳
T	編帶

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## ● 產品尺寸



450 VDC						
CAP ( $\mu F$ )	Dimensions (Max)			P	d	PART NUMBER
	W	H	T			
0.33	13.0	15.0	7.5	10	0.6	FMPP334J0450D100SR
0.47	13.0	16.0	7.5	10	0.6	FMPP474J0450D100SR
0.68	13.0	16.0	7.5	10	0.6	FMPP684J0450D100SR
1.0	13.0	18.0	9.0	10	0.6	FMPP105J0450D100SR
0.47	18.0	10.5	6.0	15	0.6	FMPP474J0450D150SR
0.68	18.0	11.0	6.5	15	0.8	FMPP684J0450D150SR
0.82	18.0	14.0	7.0	15	0.8	FMPP824J0450D150SR
1.0	18.0	12.0	7.5	15	0.8	FMPP105J0450D150SR
1.3	18.0	13.5	10.0	15	0.8	FMPP135J0450D150SR
1.5	18.0	14.5	10.5	15	0.8	FMPP155J0450D150SR
2.2	18.0	16.0	11.0	15	0.8	FMPP225J0450D150SR
4.7	26.0	20.5	12.5	22.5	0.8	FMPP475J0450D225SR

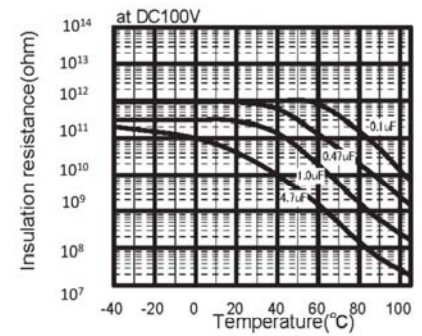
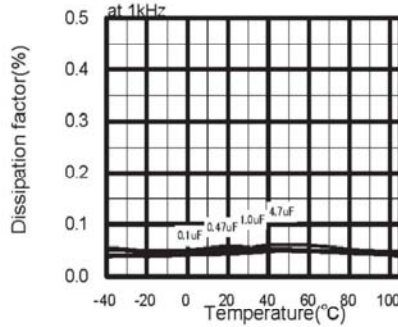
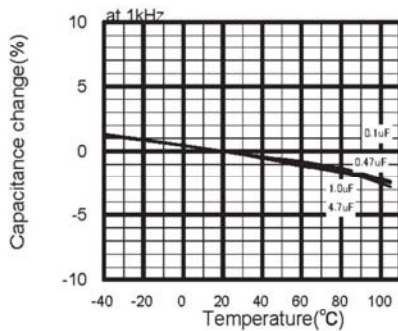
500 VDC						
CAP ( $\mu F$ )	Dimensions (Max)			P	d	PART NUMBER
	W	H	T			
0.01	13.0	10.0	6.5	10	0.6	FMPP103J0500D100SR
0.022	13.0	10.0	6.5	10	0.6	FMPP223J0500D100SR
0.033	13.0	10.0	6.5	10	0.6	FMPP333J0500D100SR
0.047	13.0	10.0	6.5	10	0.6	FMPP473J0500D100SR
0.068	13.0	10.0	6.5	10	0.6	FMPP683J0500D100SR
0.1	13.0	9.0	6.0	10	0.6	FMPP104J0500D100SR
0.15	13.0	11.0	6.7	10	0.6	FMPP154J0500D100SR
0.22	13.0	12.0	7.5	10	0.6	FMPP224J0500D100SR
0.33	13.0	13.5	9.0	10	0.6	FMPP334J0500D100SR
0.47	13.5	17.3	8.4	10	0.6	FMPP474J0500D100SR
0.56	13.0	18.0	9.5	10	0.6	FMPP564J0500D100SR
0.68	13.0	20.0	11.0	10	0.6	FMPP684J0500D100SR
0.22	18.0	12.0	7.0	15	0.8	FMPP224J0500D150SR
0.33	18.5	13.5	7.0	15	0.8	FMPP334J0500D150SR
0.47	18.5	15.0	6.5	15	0.8	FMPP474J0500D150SR
0.56	18.0	16.0	7.0	15	0.8	FMPP564J0500D150SR
0.68	18.0	16.8	8.0	15	0.8	FMPP684J0500D150SR
0.82	18.0	17.5	8.5	15	0.8	FMPP824J0500D150SR
1.0	18.0	19.6	9.2	15	0.8	FMPP105J0500D150SR
1.5	18.0	22.0	10	15	0.8	FMPP155J0500D150SR
1.5	26.0	19.5	9.0	22.5	0.8	FMPP155J0500D225SR
2.2	26.0	21.5	11.0	22.5	0.8	FMPP225J0500D225SR
3.3	26.0	22.0	14.0	22.5	0.8	FMPP335J0500D225SR
4.7	26.0	25.5	17.0	22.5	0.8	FMPP475J0500D225SR

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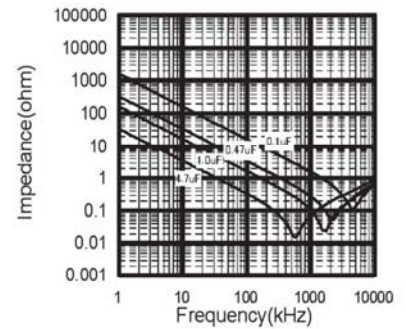
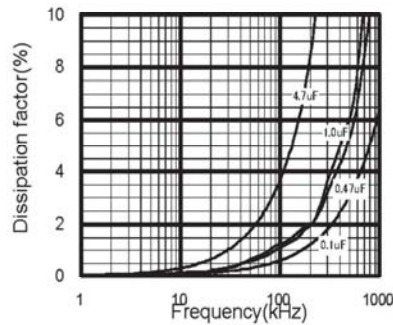
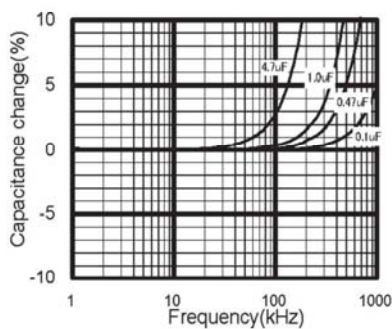
450/500Vdc Series

Electrical Characteristics (Typical Data)

Temperature Characteristics

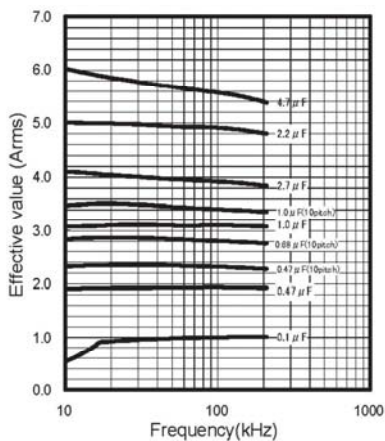


Frequency Characteristics



Applicable Specifications

Permissible Current



Pulse Handling Capability(dv/dt)

(Max 1000cycles)

Rated Voltage	Pitch (mm)	Capacitance (μF)	Code	dV/dt (V/μs)	Current (A0-p)
DC 450V/500V	10.0	0.10	104	41.6	4.2
		0.15	154		6.2
		0.22	224		9.2
		0.47	474		19.6
		0.68	684		29.3
		1.00	105		41.6
	15.0	0.47	474	24.3	11.4
		1.0	105		24.3
		1.5	155		36.4
		2.2	225		53.4
		2.7	275		38.7
		4.7	475		67.3
22.5			14.3		